



Customer No. 35110
Patterson, Thuente, Skaar & Christensen, LLC
2000 US Bank Center
777 East Wisconsin Avenue
Milwaukee, Wisconsin 53202-5345 USA

Telephone: (414) 276-0977 Facsimile: (414) 276-0982

In re the Application of: Masafumi Sakamoto

Title: MAGNETIC TYPE STEPPING MOTOR

Application No.: 09/851,922

Filed: May 10, 2001

Attorney Docket No. W1010.133-US-01

[Formerly: 134.137]

**RESPONSE TRANSMITTAL** 

Group Art Unit: 2834

Examiner: Judson Jones

Attorney Docket: W1010.133-US-01

[Formerly 134.137]

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith is a Response to Office Action dated February 27, 2003, in the above-identified application.

Respectfully submitted,

e,

Alie A. Zavoral

Attorney For Applicant Registration No. 43,304



I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.

Signature Date May 27, 2003

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: Masafumi Sakamoto Group Art Unit: 2834

Title: MAGNETIC TYPE STEPPING MOTOR Examiner: Judson Jones

Application No.: 09/851,922 Attorney Docket:

Filed: May 10, 2001 W1010.133-US-01

[Formerly 134.137]

## **RESPONSE**

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated February 27, 2003, please consider the following comments. The claims are not being amended at this time, but are presented here to provide a complete copy of all pending claims.

- 1. A magnet type stepping motor comprising:
- (1) a stator having three-phase stator windings, and 6m pieces of stator main pole arranged side by side, where m is an integer and  $\geq 1$ , the stator windings of one phase being wound around a first stator main pole and every third stator main pole among the 6m pieces of the stator main pole, wherein when the stator windings of one phase are excited with a direct current, m pieces of N pole and m pieces of S pole are formed alternately on those pieces of